Gainward GeForce GT 220 1GB CRT DVI

GPU	Core	Memory	Capacity	Type	Outputs
GeForce GT 220	550 MHz	400 MHz	1GB	DDR2 / 128 bits	DVI-I, VGA

PRODUCT SPECIFICATIONS

- **Superior Hardware Design**
- **Gainward's** award winning High-Performance/ Wide-Bandwidth™ hardware design powered by NVIDIA's GeForce™ **GT 220** GPU integrating **1024MB**/128bits high-speed **DDR2** memory which offers enhanced, leading-edge performance for the 3D enthusiasts.
- **550MHz** core clock and **400MHz** (DDR 800) memory clock speed.
- High performance fan cooling.
- Provides **DVI-I** (Dual-link DVI, support up to 2560x1600) and **VGA (D-sub 15)** connectors.
- Supports two monitors simultaneously, enabled by the NVIDIA **nView™** Multi-Display Technology for office applications, 3D gaming and professional applications such as CAD, DTP, animation or video editing. NVIDIA **nView™** allows end-users to select any combination of multiple displays.
- Includes Gainward's award winning **EXPERTool™ tuning utility** for customized performance enhancements and efficient desktop management.
- **PureVideo™ HD technology -** The combination of high-definition video decode acceleration and post-processing that delivers unprecedented picture

CHIPSET SPECIFICATIONS

- **NVIDIA unified architecture**: Fully unified shader core dynamically allocates processing power to geometry, vertex, physics, or pixel shading operations, delivering up to 2x the gaming performance of prior generation GPUs.
- **NVIDIA CUDA Technology**: CUDA technology unlocks the power of the GPU's processor cores to accelerate the most demanding system tasks – such as video transcoding – delivering incredible performance improvement over traditional CPUs.
- **Microsoft Windows 7 Support:** Windows 7 is the next generation operating system that will mark a dramatic improvement in the way the OS takes advantage of the GPU to provide a more compelling user experience. By taking advantage of the GPU for both graphics and computing, Windows 7 will not only make today's PCs more visual and more interactive but also ensure that they have the speed and responsiveness customers want.
- **DirectCompute Support:** Full support for DirectCompute, Microsoft's GPU computing API.
- **NVIDIA PhysX Technology**: Enabling a totally new class of physical gaming interaction for a more dynamic and realistic experience with GeForce.

BUNDLED ACCESSORIES

- Gainward QuickStart Manual

- Driver CD and Application S/W

Driver for Windows 7/Vista/XP

Note: Gainward's bundle items are subject to change. Please refer to your local Gainward dealer for more information, or the description in the regional product package

Gainward GeForce GT 220 1GB CRT DVI

clarity, smooth video, accurate colour, and precise image scaling for movies and video.

- **Hardware Decode Acceleration:** Provides ultra-smooth playback of H.264, VC-1, WMV, DivX, MPEG-2 and MPEG4 HD and SD movies without the need for a dual or quad-core CPU.
- **NVIDIA GeForce Unified Driver Architecture (UDA):** Delivers a proven record of compatibility, reliability, and stability with the widest range of games and applications. NVIDIA GeForce drivers provide the best out-of-box experience and deliver continuous performance and feature updates over the life of NVIDIA GeForce GPU.
- **PCI Express 2.0 Support:** Designed for the new PCI Express 2.0 bus architecture, offering the highest data transfer speeds for the most bandwidth-hungry games and 3D applications, while maintaining backwards compatibility with existing PCI Express motherboards for the broadest support.
- **GigaThread Technology:** Massively multi-threaded architecture supports thousands of independent, simultaneous threads, providing extreme processing efficiency in advanced, next generation shader programs.
- **NVIDIA Lumenex Engine:** Delivers stunning image quality and floating point accuracy at ultra-fast frame rates:

  16x Anti-aliasing: Lightning fast, high-quality anti-aliasing at up to 16x sample rates obliterates jagged edges.

  128-bit floating point High Dynamic-Range (HDR) Lighting: Twice the precision of prior generations for incredibly realistic lighting effects – now with support for anti-aliasing.
- **OpenCL Support:** Full support for OpenCL GPU computing API.
- **OpenGL 3.2 Optimizations and Support:** Ensures top-notch compatibility and performance for OpenGL applications.
- **Dual-link HDCP Capable:** Designed to meet the output protection management (HDCP) and security specifications of the Blu-ray Disc formats, allowing the playback of encrypted movie content on PCs when connected to HDCP-compliant displays.

SYSTEM REQUIREMENTS

- Intel Core2Duo series, AMD Athlon 64 X2 series or above CPU
- A minimum of 1GB system memory
- A minimum 350W power supply unit.
- DVD-ROM drive
- Requires a PCI Express or PCI Express 2.0-compliant motherboard
- Requires an available PCI Express x16 slot
- Windows 7/Vista/XP

API SUPPORT

- DirectX 10.1 GPU with SM 4.1 support
- OpenGL 3.2 support
- OpenCL support

OS SUPPORT

- Windows 7/Vista/XP

BAR CODE

- Small Box: 426018336-1534